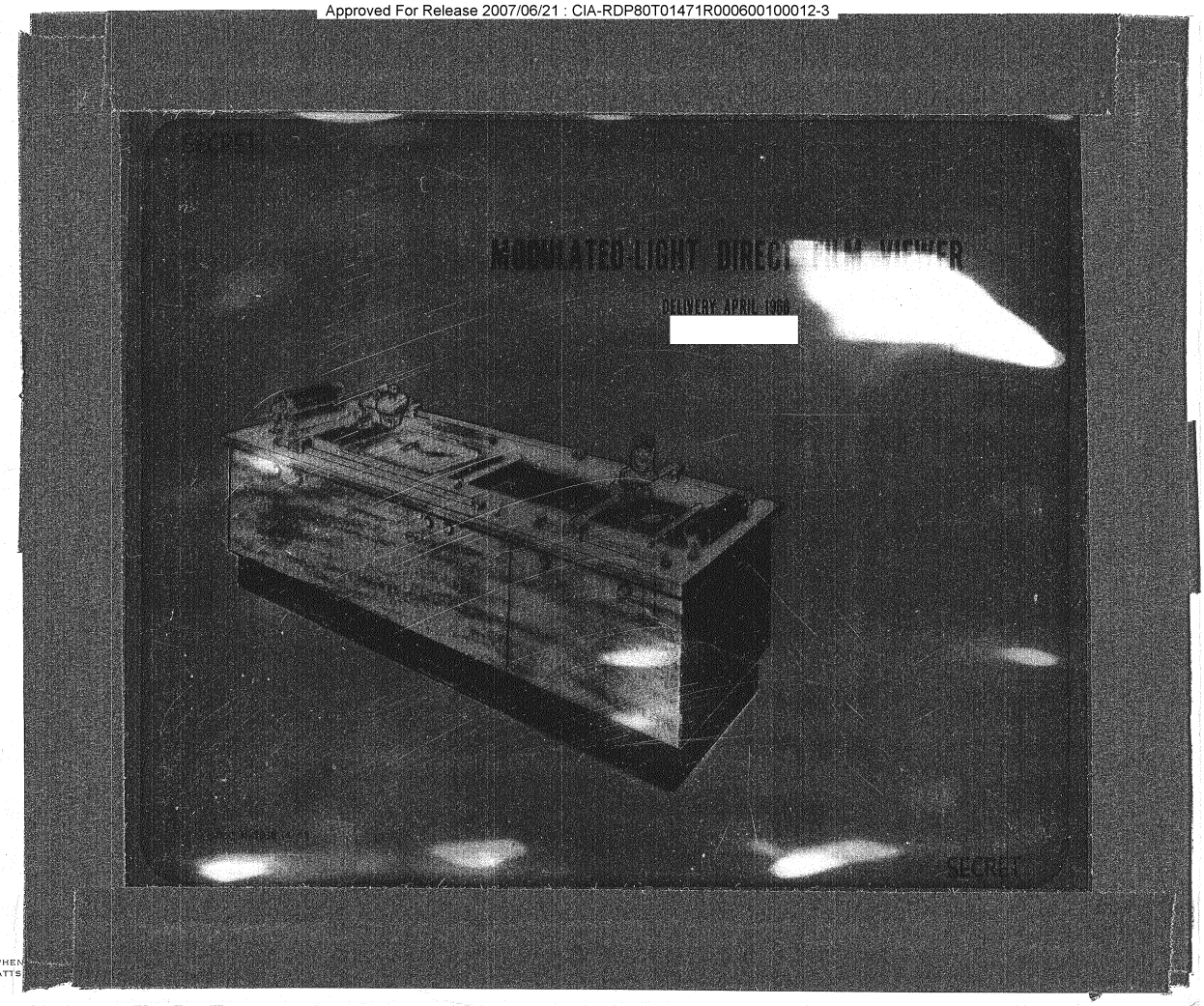
SECRET



25X1

SECRET

SECRET

25X1

[redacted] STEREO CHIP COMPAPATOR

AVAILABLE [redacted]

25X1

NPIC K-0039 (4 65)

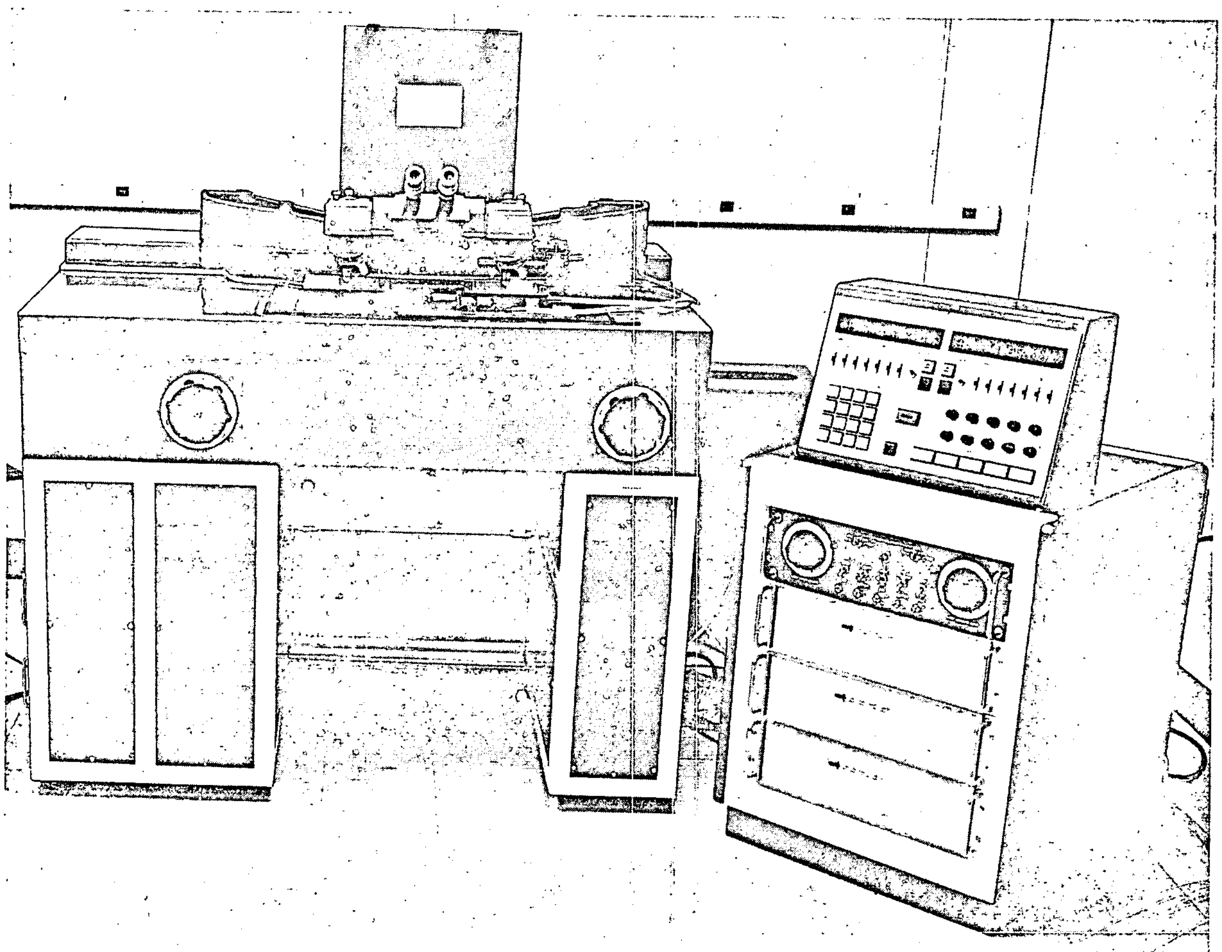
SECRET

[redacted] 25X1

VG K-0079

8. [redacted] STEREO CHIP COMPARATOR 25X1

This prototype stereo chip comparator (Figure 88) was installed at the NPIC in July 1964. It is designed with 5- by 5-inch stages which accept the proposed NPIC 4- by 5-inch film chip oriented in either direction. This instrument simultaneously measures the X and Y coordinates of any point on the film plane with respect to a chosen reference. The system is capable of resolving to .13 micron least-count. Linear measurements are obtained through the output of an X- and Y-axis interferometer, utilizing the wavelength of an Hg 198 lamp (5461A°). The comparator is designed to operate on-line with the UNIVAC 490 system. The prototype has been evaluated and production models are under contract at a cost of [redacted] each. 25X1



NPIC J-8991 (3/65)

FIGURE 88. [redacted] STEREO CHIP COMPARATOR. 25X1

[redacted] 25X1